703

TRAFFIC SPEED REPORT NO.65

SEPT., 1958
NO. 24

by

G.E. Ingram

Joint Highway Research Project

PURDUE UNIVERSITY
LAFAYETTE INDIANA

PROGRESS REPORT

TRAFFIC SPEED REPORT NO. 65

TO: K. B. Woods, Director
Joint Highway Research Project

September 25, 1958

FROM: H. L. Michael, Assistant Director
Joint Highway Research Project

File: 8-3-3
Project: C-36-10C

The attached Traffic Speed Report No. 65 has been prepared by Mr. G. E. Ingram, Research Engineer on our staff.

This progress report is the 1958 summer, semi-annual speed study. The speeds were obtained at the same locations as in previous years and added to the twenty years of speed data that the Project has collected.

Copies of this report will be distributed as usual to the State Police and to the Office of Traffic Safety. The report is submitted for the record.

Respectfully submitted,

Harold L. Michael /ac

Harold L. Michael, Assistant Director
Joint Highway Research Project

HLM:acc

Attachment

cc: A. K. Branham
J. R. Cooper
W. L. Dolch
W. H. Goetz
J. T. Hallett
F. F. Havey
G. A. Hawkins
G. A. Leonards
J. F. McLaughlin
R. D. Miles
R. E. Mills
B. H. Petty
M. B. Scott
C. E. Vogelgesang
J. L. Waling
J. E. Wilson
E. J. Yoder

PROGRESS REPORT

TRAFFIC SPEED REPORT NO. 65

TO: E. B. Woods, Director
Joint Highway Research Project

September 25, 1959

FROM: H. L. Michael, Assistant Director
Joint Highway Research Project

File: 8-3-3
Project: C-36-32C

The attached Traffic Speed Report No. 65 has been prepared by Mr. G. E. Ingram, Research Engineer on our staff.

This progress report is the 1958 summer, west-annual speed study. The speeds were obtained at the same locations as in previous years and added to the twenty years of speed data that the Project has collected.

Copies of this report will be distributed as usual to the State Police and to the Office of Traffic Safety. The report is submitted for the record.

Respectfully submitted,

Harold L. Michael, Assistant Director
Joint Highway Research Project

HLM:ecc

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PROGRESS REPORT

TRAFFIC SPEED REPORT NO. 65

by

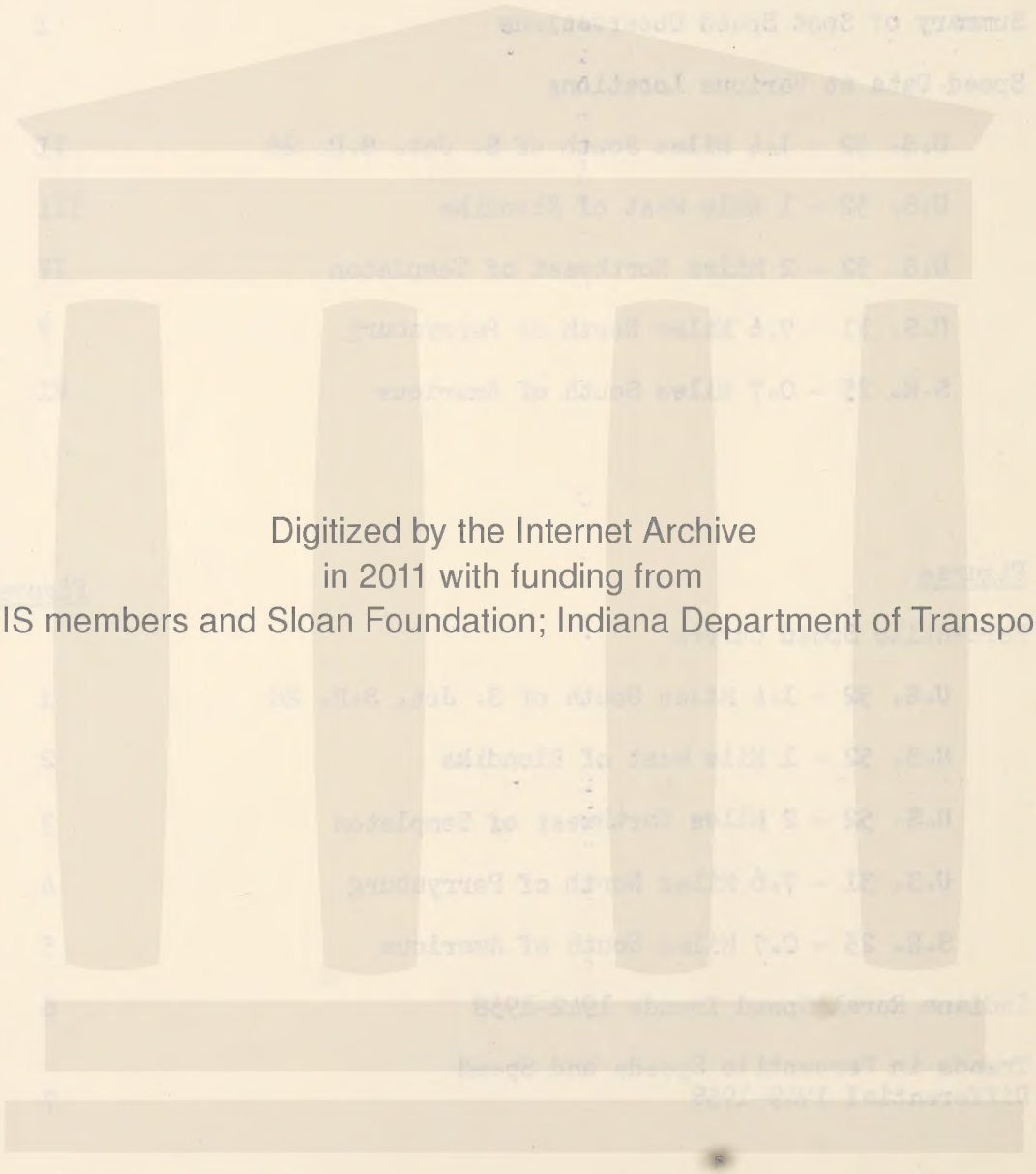
C. E. Ingram
Research Engineer

Joint Highway Research Project
File: 8-3-3
Project C-36-10C

Purdue University
Lafayette, Indiana

September 25, 1958

LIST OF TABLES AND FIGURES



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TRAFFIC SPEED REPORT NO. 65

This report covers spot speed observations made during July and August 1958. The data were collected by the writer. All observations are for free-moving vehicles on level tangent sections of rural highways. The locations of the observation stations were as follows:

1. U.S 52 - 1.4 Miles South of S. Jct. S.R. 28
   (Dual Lanes)
2. U.S. 52 - 1 Mile West of Klondike
   (Dual Lanes)
3. U.S. 52 - 2 Miles Northwest of Templeton
   (2 - Lane)
4. U.S. 31 - 7.6 Miles North of Perrysburg
   (2 - Lane)
5. S.R. 25 - 0.7 Miles South of Americus
   (2 - Lane)

The speed observations for this study were made with an Electro-Matic Radar Speed Meter. The meter was concealed as part of a rural mailbox which was placed within several feet of the edge of the pavement and directed down the highway at a small angle with respect to the direction of traffic so that it was not necessary to apply an angle correction to the readings.

The radar equipment will not operate properly if the operating voltage of the batteries is more than 1/2 volt low or 1 volt high. The voltage, therefore, was checked periodically in the field with a

0-15 volt meter and maintained within the desired range. The radar set was also maintained in correct calibration with the aid of a 60 m.p.h. tuning fork.

The observer concealed himself from the traffic as far back from the highway as local conditions made necessary. This was possible by using a 150 foot extension cord between the meter, on which the readings were observed, and the radar unit. It is believed that, in all cases, the speed of the vehicle was observed on the meter before any driver had an idea that the radar unit was present.

A summary of the results of this study and of the last seven studies is given in Table I. Indiana State law limits the speed of passenger cars and trucks weighing less than 5,000 pounds to 65 miles per hour, while trucks weighing more than 5,000 pounds are limited to 45 miles per hour. For this reason, the truck speeds are divided into three groups, light trucks, heavy trucks, and all trucks. Because it is impractical to accurately determine the exact weight of each truck, panel and pickup types are classed as less than 5,000 pounds while dual-tired single-unit and semi-trailer types are classed as weighing over 5,000 pounds.

In order to facilitate a comparison between the present and the last previous observations at a given location, the results of the present and previous study are tabulated in Tables II through VI. All speed observations were taken at the same locations for this study, as for the last study.

The average speed for all passenger cars decreased by 0.4 miles per hour since the last study (August 1957) while the average speed for all trucks increased by 1.3 miles per hour. Indiana passenger cars decreased their average speed on two-lane highways by 1.2 miles per hour while their average speed on four-lane highways increased by 0.5 miles per hour. A decrease of 0.4 miles per hour on two-lane highways and 0.3 miles per hour on four-lane highways was noted in the average speed of out-of-state passenger cars.

The average speed for light trucks increased 1.3 miles per hour on two-lane highways and 2.3 miles per hour on four-lane highways. For heavy trucks, an increase of average speed of 0.5 miles per hour on two-lane highways and 2.4 miles per hour on four-lane highways was observed.

Trend information on the average speed of trucks and passenger cars is shown in Table I and in Figures 6 and 7.

TABLE I

SUMMARY OF SPOT SPEED OBSERVATIONS
ON INDIANA HIGHWAYS

(Free-Moving Vehicles on Level, Tangent Sections)

		Passenger Cars				Trucks		
		Ind Mean	Non-Ind Mean	All Mean	All 85 per	Light Mean	Heavy Mean	All Mean
Two-lane Highways	Aug. '54	55.0	56.8	55.7	63.8	49.9	46.0	47.1
	Dec. '54	52.0	54.1	52.8	58.8	48.2	44.4	45.2
	July '55	53.8	55.7	54.5	64.8	46.2	45.5	45.6
	Feb. '56	54.9	58.0	55.9	63.2	47.1	43.2	44.4
	Aug. '56	55.0	56.3	55.5	63.4	50.6	45.5	46.6
	May '57	55.6	59.1	56.9	64.0	50.2	44.8	46.1
	Aug. '57	55.5	56.7	55.9	62.1	51.7	45.8	47.3
	Aug. '58	54.3	56.3	55.0	61.7	53.0	46.3	47.8
Four-lane Highways	Aug. '54	55.5	58.2	56.6	65.0	52.1	45.6	47.1
	Dec. '54	54.2	55.7	54.7	60.4	47.1	43.6	44.3
	July '55	54.5	56.6	55.2	63.7	47.5	43.9	44.8
	Feb. '56	58.1	60.1	58.7	65.7	47.8	45.2	45.8
	Aug. '56	57.4	58.8	58.2	66.8	49.6	46.0	47.4
	May '57	59.9	63.6	61.0	69.0	52.2	46.0	47.9
	Aug. '57	57.5	59.9	58.5	64.8	52.0	46.6	47.6
	Aug. '58	58.0	59.6	58.7	65.0	54.3	49.0	50.0
All Highways	Aug. '54	55.1	57.3	56.0	64.2	50.5	45.9	47.1
	Dec. '54	52.7	54.3	53.4	59.3	47.8	44.0	44.8
	July '55	54.1	56.6	55.2	64.3	46.9	44.7	45.2
	Feb. '56	56.0	58.6	56.8	63.8	47.3	44.0	44.9
	Aug. '56	55.7	57.3	56.4	64.5	50.2	45.6	46.9
	May '57	57.2	60.3	58.3	66.0	50.9	45.2	46.6
	Aug. '57	56.2	58.3	56.9	63.2	51.8	46.1	47.4
	Aug. '58	55.7	57.9	56.5	63.1	53.4	47.5	48.7

TABLE II SPEED DATA

Station # 1 - 1.4 Miles South of Jct. S.R. 28 on U. S. 52

Surface 24' N.B. - P.C.C. S.B. - Bit. Conc. (Divided Lanes) Weather Cloudy and Warm

This Observation
Date July 25, 1958
Time 10:07 A.M.-1:11 P.M.

Last Previous Observation (Speed Report No. 62)
Date August 23, 1957
Time 8:50 A.M.-11:45 A.M.

		PASSENGER CARS						TRUCKS						BUSSES	
		All		Indiana		Non-Indiana		All		Less than 5000 pounds		5000 pounds or more		All	
OBSERVATION		Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present
All Vehicles	No. of Vehicles Obs.	397	416	221	213	176	203	104	87	20	12	84	75	-	-
	Ave. Speed (m.p.h.)	59.4	59.3	58.5	58.7	60.4	59.8	46.5	48.0	52.5	50.8	45.0	47.6	-	-
	% Equaling or Exceeding 45 m.p.h.	97.2	97.1	96.4	96.2	98.3	98.0	60.6	75.9	80.0	75.0	51.2	76.0	--	--
	50 m.p.h.	93.2	92.1	91.9	88.7	94.9	95.6	27.9	37.9	70.0	66.7	17.9	33.3	--	--
	55 m.p.h.	79.8	77.4	74.2	74.6	86.9	80.3	12.5	9.2	40.0	33.3	6.0	5.3	--	--
	60 m.p.h.	54.7	50.2	49.8	48.4	60.8	42.2	2.9	3.4	15.0	25.0	0	0.0	--	--
	65 m.p.h.	19.9	17.8	19.5	17.8	20.5	17.7	1.9	0.0	10.0	0.0	0	0.0	--	--
	70 m.p.h.	6.0	7.2	4.1	8.0	8.5	6.4	1.0	0.0	5.0	0.0	0	0.0	--	--
	75 m.p.h.	1.3	1.9	1.4	1.9	1.1	2.0	0	0.0	0	0.0	0	0.0	--	--
BOUND	No. of Vehicles Obs.	195	212	109	106	86	106	55	39	10	3	45	36	--	--
	Ave. Speed (m.p.h.)	59.8	59.1	59.4	58.7	60.3	59.5	47.5	46.1	57.8	39.7	45.2	46.6	--	--
	Max. Speed (m.p.h.)	—	—	81	78	76	76	—	—	73	52	55	54	--	--
	State or Type	—	—	—	—	--	--	—	—	--	--	--	--	—	—
	Min. Speed (m.p.h.)	—	—	46	41	39	43	—	—	38	27	32	34	--	--
	State or Type	—	—	—	—	--	--	—	—	--	--	--	--	—	—
BOUND	No. of Vehicles Obs.	202	204	112	107	90	97	49	48	10	9	39	39	--	--
	Ave. Speed (m.p.h.)	59.0	59.4	57.7	58.7	60.5	60.2	45.3	49.6	47.2	54.4	44.8	48.5	--	--
	Max. Speed (m.p.h.)	—	—	75	76	75	90	—	—	57	63	57	58	--	--
	State or Type	—	—	—	—	--	--	—	—	--	--	--	--	—	—
	Min. Speed (m.p.h.)	—	—	27	35	46	42	—	—	30	43	31	36	--	--
	State or Type	—	—	—	—	--	--	—	—	--	--	--	--	—	—

TABLE III SPEED DATA

Station # 2 - 1 Mile West of Klondike on U. S. 52

Surface 4 Lane Divided, 24' Portland Cement Concrete Weather Cloudy and Warm

This Observation
Date August 12, 1958
Time 2:40 P.M.-5:51 P.M.

Last Previous Observation (Speed Report No. 62)
Date August 22, 1957
Time 2:30 P.M.-4:40 P.M.

		PASSENGER CARS						TRUCKS						BUSSES	
		All		Indiana		Non-Indiana		All		Less than 5000 pounds		5000 pounds or more		All	
OBSERVATION		Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present
All Vehicles	No. of Vehicles Obs.	380	376	222	241	158	135	122	126	22	26	100	100	--	--
	Ave. Speed (m.p.h.)	57.7	58.0	56.5	57.4	59.3	59.2	48.6	51.3	51.7	55.9	47.9	50.1	--	--
	% Equaling or Exceeding 45 m.p.h.	97.1	97.6	95.0	97.1	100.0	98.5	80.3	84.1	95.5	100.0	77	80.0	--	--
	50 m.p.h.	90.5	89.4	87.8	86.7	94.3	94.1	43.4	64.3	63.6	73.1	39	62.0	--	--
	55 m.p.h.	70.8	72.6	64.9	69.3	79.1	78.5	13.3	29.4	27.3	46.2	10	25.0	--	--
	60 m.p.h.	42.1	44.7	33.8	41.9	53.8	49.6	3.3	11.1	13.6	30.8	1	6.0	--	--
	65 m.p.h.	12.4	13.6	8.6	11.6	17.7	17.0	1.6	4.0	9.1	19.2	0	0	--	--
	70 m.p.h.	4.2	4.0	3.6	1.7	5.1	8.2	0	0.8	0	3.8	0	0	--	--
	75 m.p.h.	1.1	0.8	0.9	0.4	1.3	1.5	0	0.8	0	3.8	0	0	--	--
BOUND	No. of Vehicles Obs.	190	199	110	121	80	78	62	52	9	9	53	43	--	--
	Ave. Speed (m.p.h.)	57.1	57.8	55.9	57.1	58.7	59.0	47.7	48.4	51.6	52.4	47.0	47.6	--	--
	Max. Speed (m.p.h.)	--	--	81	76	70	78	--	--	65	64	56	60	--	--
	State or Type	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Min. Speed (m.p.h.)	--	--	35	36	46	41	--	--	45	45	36	29	--	--
	State or Type	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BOUND	No. of Vehicles Obs.	190	177	112	120	78	57	60	74	13	17	47	57	--	--
	Ave. Speed (m.p.h.)	58.3	58.3	57.1	57.7	60	59.5	49.4	53.3	51.7	57.7	48.8	52.0	--	--
	Max. Speed (m.p.h.)	--	--	73	73	77	74	--	--	65	77	61	63	--	--
	State or Type	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Min. Speed (m.p.h.)	--	--	40	37	46	42	--	--	42	45	30	36	--	--
	State or Type	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE IV SPEED DATA

Station # 3 - 2 Miles North of Templeton on U. S. 52

Surface 2 Lane, 22' Bituminous Weather Cloudy and Warm

This Observation
Date August 6, 1958
Time 11:04 A.M.-1:13 P.M.

Last Previous Observation (Speed Report No. 62)
Date August 29, 1957
Time 9:30 A.M.-11:50 A.M.

		PASSENGER CARS						TRUCKS						BUSSES	
		All		Indiana		Non-Indiana		All		Less than 5000 pounds		5000 pounds or more		All	
OBSERVATION		Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present
All Vehicles	No. of Vehicles Obs.	369	340	176	141	193	199	133	92	16	4	117	88	--	--
	Ave. Speed (m.p.h.)	55.6	56.4	55.5	56.4	55.8	56.4	46.9	45.6	50.9	52.5	46.4	45.3	--	--
	% Equaling or Exceeding 45 m.p.h.	97.0	95.6	97.2	95.0	96.9	96.0	70.7	54.4	87.5	75.0	68.4	53.4	--	--
	50 m.p.h.	88.6	85.9	88.6	84.4	88.6	86.9	38.3	26.1	87.5	75.0	31.6	23.9	--	--
	55 m.p.h.	58.5	62.4	56.3	58.2	60.6	65.3	5.3	7.6	25.0	50.0	2.6	5.7	--	--
	60 m.p.h.	26.6	33.2	26.7	33.3	26.4	33.2	0	3.3	0	25.0	0	2.3	--	--
	65 m.p.h.	6.0	10.9	6.3	13.5	5.7	9.0	0	0	0	0	0	0	--	--
	70 m.p.h.	2.2	1.5	1.1	2.1	3.1	1.0	0	0	0	0	0	0	--	--
	75 m.p.h.	1.1	0.3	0.6	0.7	1.6	0	0	0	0	0	0	0	--	--
BOUND	No. of Vehicles Obs.	223	195	117	78	106	117	79	52	13	2	66	50	--	--
	Ave. Speed (m.p.h.)	55.9	56.0	55.6	56.5	56.2	55.8	46.3	44.4	52.7	56.5	45.1	44.0	--	--
	Max. Speed (m.p.h.)	--	--	75	71	77	70	--	--	58	62	55	58	--	--
	State or Type	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Min. Speed (m.p.h.)	--	--	40	39	44	38	--	--	50	51	33	30	--	--
	State or Type	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BOUND	No. of Vehicles Obs.	146	145	59	63	87	82	54	40	3	2	51	38	--	--
	Ave. Speed (m.p.h.)	55.3	56.8	55.3	56.3	55.3	57.2	47.8	47.2	43.0	48.5	48.1	47.1	--	--
	Max. Speed (m.p.h.)	--	--	70	76	74	74	--	--	51	56	57	62	--	--
	State or Type	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Min. Speed (m.p.h.)	--	--	43	43	42	38	--	--	36	41	36	38	--	--
	State or Type	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE V SPEED DATA

Station # 5 - 7.6 Miles North of Perrysburg on U. S. 31

Surface 2 Lane 22' Bituminous Weather Cloudy and Warm

This Observation
Date August 5, 1958
Time 12:10 P.M.-3:04 P.M.

Last Previous Observation (Speed Report No. 62)
Date August 31, 1957
Time 9:40-11:50 A.M.

		PASSENGER CARS						TRUCKS						BUSSES	
		All		Indiana		Non-Indiana		All		Less than 5000 pounds		5000 pounds or more		All	
	OBSERVATION	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present
All Vehicles	No. of Vehicles Obs.	437	380	342	296	95	84	63	119	26	37	37	82	--	--
	Ave. Speed (m.p.h.)	56.8	54.4	56.6	53.8	57.8	56.3	47.1	48.6	51.4	52.5	44.1	46.9	--	--
	% Equaling or Exceeding 45 m.p.h.	94.7	90.0	94.5	88.9	95.8	94.0	57.1	70.6	76.9	83.8	43.2	64.6	--	--
	50 m.p.h.	87.0	76.3	86.5	73.6	88.4	85.7	30.2	42.9	46.2	67.6	18.9	31.7	--	--
	55 m.p.h.	65.5	49.5	62.9	45.3	74.7	64.3	14.3	20.2	30.8	35.1	2.7	13.4	--	--
	60 m.p.h.	37.5	25.8	35.7	22.6	44.2	36.9	11.1	7.6	23.1	18.9	2.7	2.4	--	--
	65 m.p.h.	14.4	7.9	14.3	8.1	14.7	7.1	6.3	0.8	15.4	0.0	0	1.2	--	--
	70 m.p.h.	4.4	2.4	4.4	2.7	4.2	1.2	1.6	0.0	3.8	0	0	0.0	--	--
	75 m.p.h.	0.5	0.8	0.3	1.0	1.1	0.0	0	0	0	0	0	0	--	--
BOUND	No. of Vehicles Obs.	196	197	163	161	33	36	36	51	14	17	22	34	--	--
	Ave. Speed (m.p.h.)	55.8	54.8	55.6	54.2	56.5	57.3	45.6	49.5	48.5	54.1	43.8	47.2	--	--
	Max. Speed (m.p.h.)	—	—	71	84	72	70	—	—	66	63	54	63	--	--
	State or Type	—	—	—	—	--	--	—	—	--	--	--	--	—	—
	Min. Speed (m.p.h.)	—	—	36	32	40	41	—	—	37	40	33	27	--	--
	State or Type	—	—	—	—	--	--	—	—	--	--	--	--	—	—
BOUND	No. of Vehicles Obs.	241	183	179	135	62	48	27	68	12	20	15	48	--	--
	Ave. Speed (m.p.h.)	57.7	53.9	57.4	53.3	58.5	55.6	49.1	47.9	54.7	51.1	44.5	46.6	--	--
	Max. Speed (m.p.h.)	—	—	75	90	78	68	—	—	72	64	62	69	--	--
	State or Type	—	—	—	—	--	--	—	—	--	--	--	--	—	—
	Min. Speed (m.p.h.)	—	—	33	32	44	38	—	—	42	38	34	30	--	--
	State or Type	—	—	—	—	--	--	—	—	--	--	--	--	—	—

TABLE VI SPEED DATA

Station # 6 - 0.7 Miles South of Americas on S.R. 25

Surface 2 Lane 22' Bituminous Weather Cloudy and Warm

This Observation
Date August 12, 1958
Time 10:50 A.M.-1:34 P.M.

Last Previous Observation (Speed Report No. 62)
Date August 28, 1957
Time 2:00-4:00 P.M.

		PASSENGER CARS						TRUCKS						BUSSES	
		All		Indiana		Non-Indiana		All		Less than 5000 pounds		5000 pounds or more		All	
OBSERVATION		Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present
All Vehicles	No. of Vehicles Obs.	416	404	358	318	58	86	86	95	28	26	58	69	--	--
	Ave. Speed (m.p.h.)	55	54.4	54.6	53.9	57.6	56.2	48.0	48.8	52.5	53.8	45.8	46.9	--	--
	% Equaling or Exceeding 45 m.p.h.	94.5	89.1	93.9	88.1	98.3	93.0	66.3	75.8	82.1	88.5	58.6	71.0	--	--
	50 m.p.h.	80.8	73.0	79.3	72.3	89.7	75.6	38.4	46.3	78.6	69.2	19.0	37.7	--	--
	55 m.p.h.	52.6	50.2	49.7	47.5	70.7	60.5	19.8	17.9	46.4	50.0	6.9	5.8	--	--
	60 m.p.h.	28.8	28.5	27.4	24.8	37.9	41.9	8.1	8.4	17.9	30.8	3.5	0	--	--
	65 m.p.h.	6.7	7.7	5.9	6.6	12.1	11.6	1.2	3.2	0	11.5	1.7	0	--	--
	70 m.p.h.	2.9	2.5	2.2	1.6	6.9	5.8	0	1.1	0	3.8	0	0	--	--
	75 m.p.h.	0.5	0.7	0.3	0.3	1.7	2.3	0	0	0	0	0	0	--	--
BOUND	No. of Vehicles Obs.	251	215	225	176	26	39	55	43	20	12	35	31	--	--
	Ave. Speed (m.p.h.)	55.3	53.7	55.0	53.1	57.6	56.5	49.5	49.4	54.0	57.5	47.0	46.3	--	--
	Max. Speed (m.p.h.)	--	--	74	70	80	73	--	--	64	70	65	58	--	--
	State or Type	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Min. Speed (m.p.h.)	--	--	32	37	46	40	--	--	42	45	36	35	--	--
	State or Type	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BOUND	No. of Vehicles Obs.	165	189	133	142	32	47	31	52	8	14	23	38	--	--
	Ave. Speed (m.p.h.)	54.6	55.2	53.9	55.0	57.6	56.1	45.3	48.3	49.0	50.6	44.0	47.4	--	--
	Max. Speed (m.p.h.)	--	--	80	77	73	76	--	--	62	63	54	57	--	--
	State or Type	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Min. Speed (m.p.h.)	--	--	39	38	44	34	--	--	30	30	32	33	--	--
	State or Type	--	--	--	--	--	--	--	--	--	--	--	--	--	--

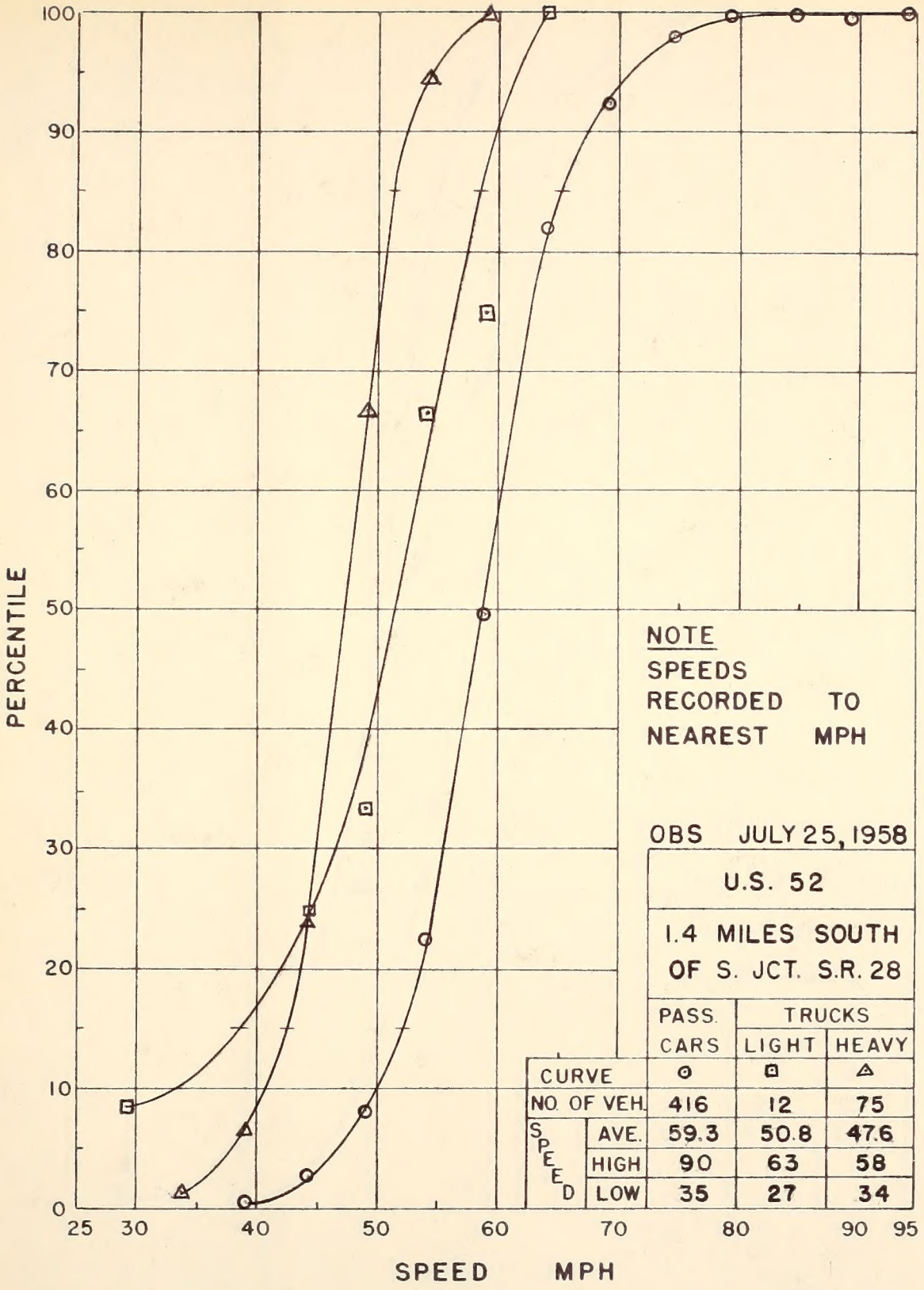
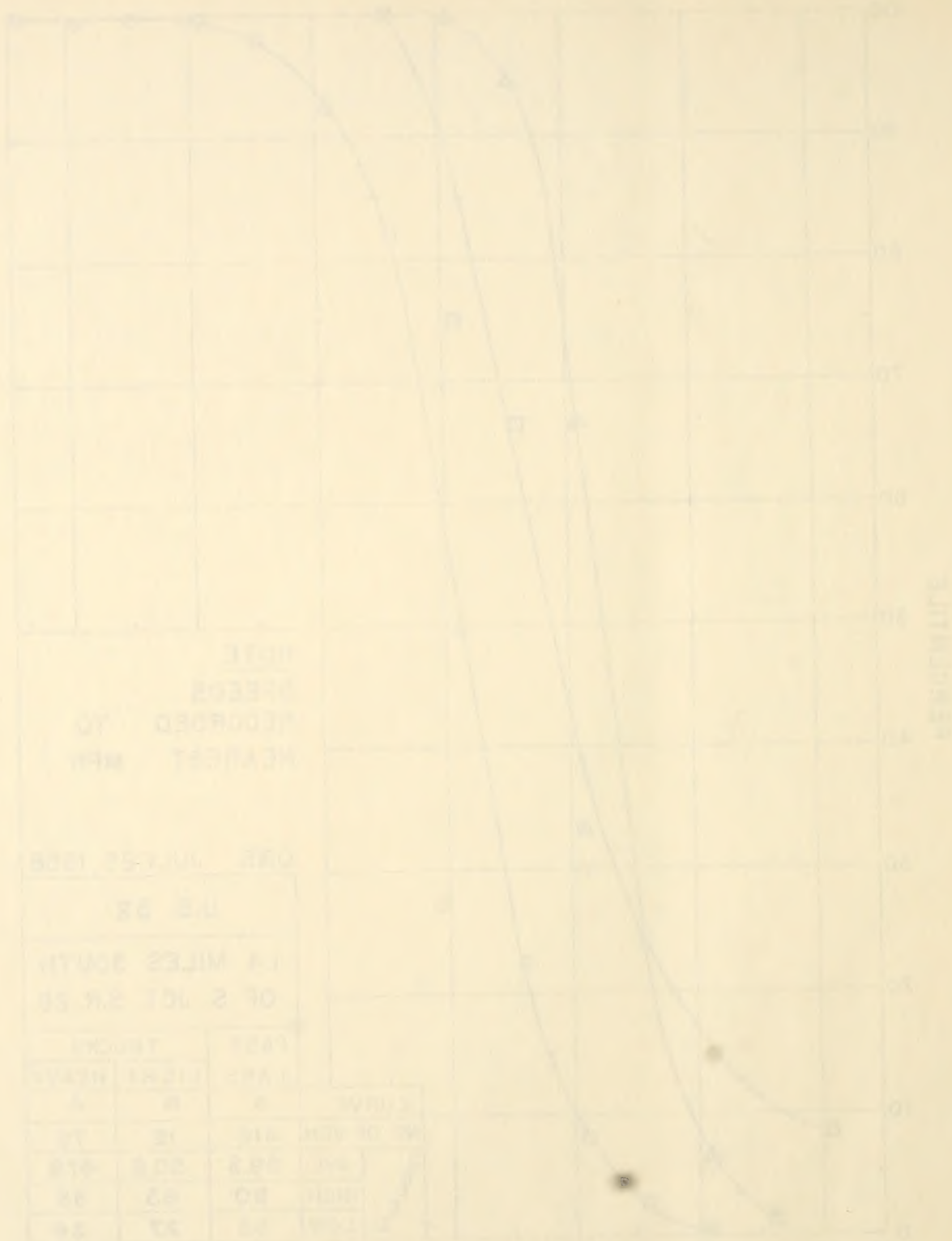

PERCENTILE
100
90
80
70
60
50
40
30
20
10
0
25
30
40
50
60
70
80
90
95
SPEED MPH
NOTE
SPEEDS RECORDED TO NEAREST MPH
OBS JULY 25, 1958
U.S. 52
1.4 MILES SOUTH OF S. JCT. S.R. 28
PASS. CARS
TRUCKS
LIGHT
HEAVY
CURVE
NO. OF VEH.
SPEED
AVE.
HIGH
LOW
416
12
75
59.3
50.8
47.6
90
63
58
35
27
34

FIGURE 1



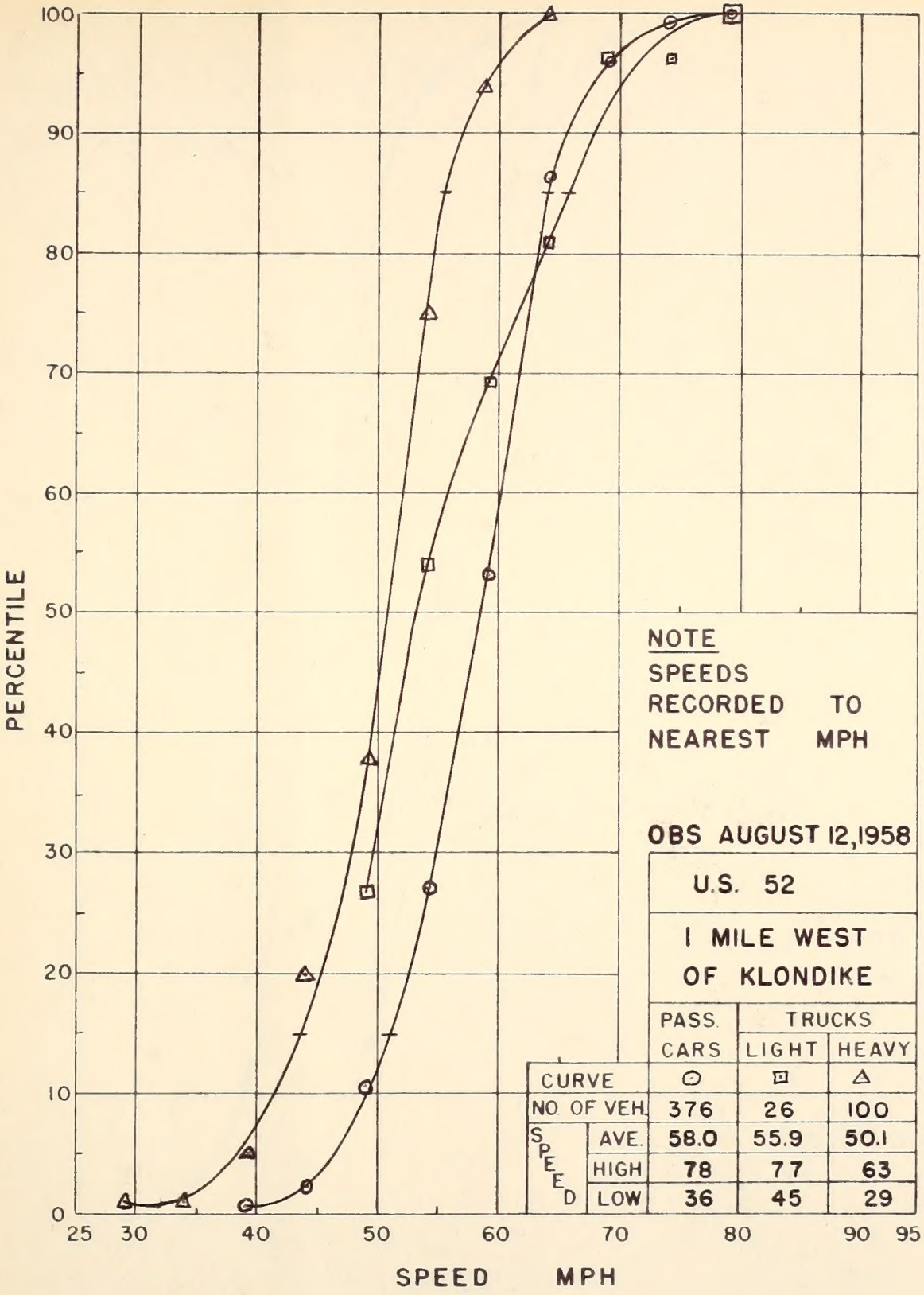
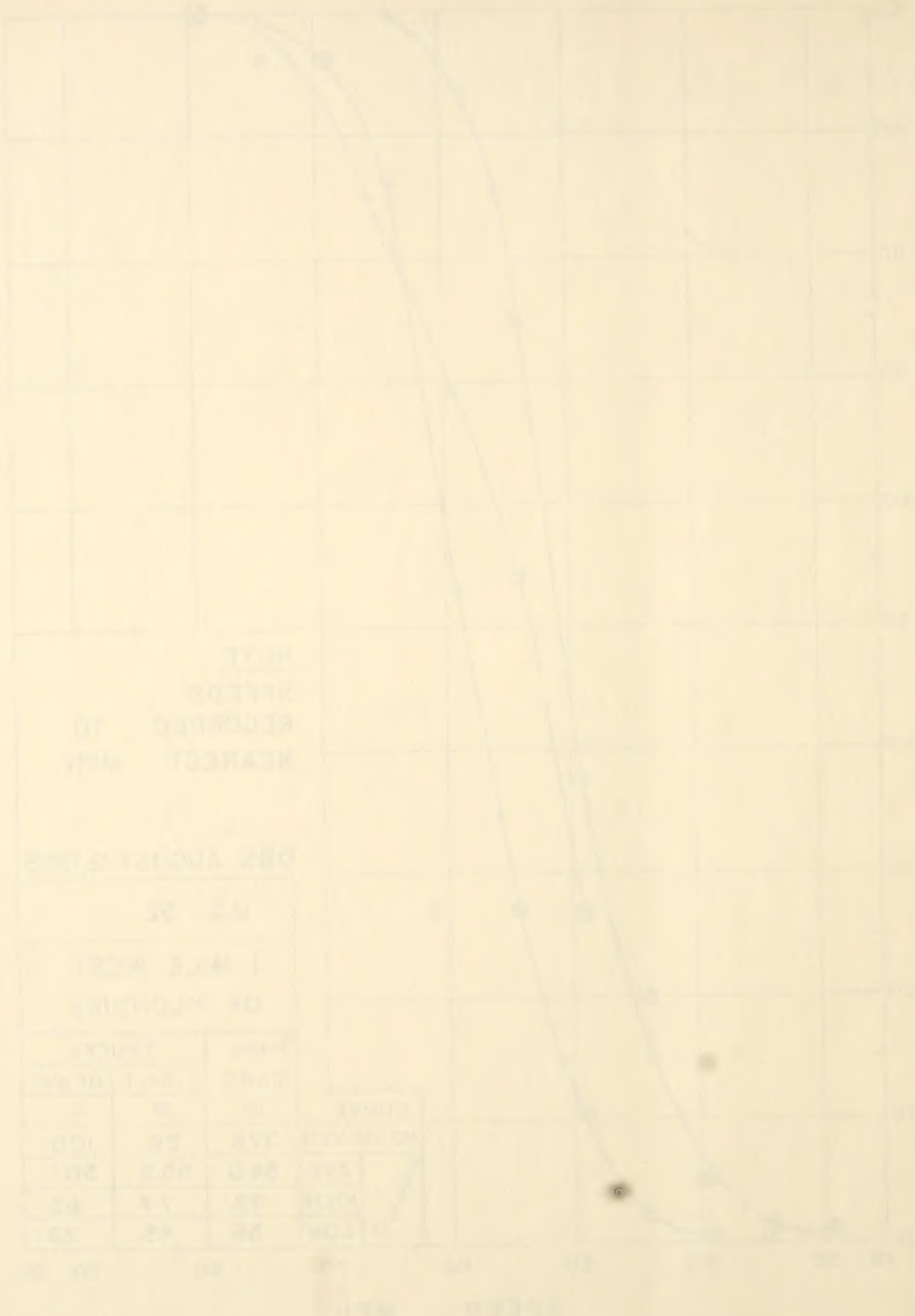

PERCENTILE
100
90
80
70
60
50
40
30
20
10
0
25
30
40
50
60
70
80
90
95
SPEED MPH
NOTE
SPEEDS RECORDED TO NEAREST MPH
OBS AUGUST 12,1958
U.S. 52
1 MILE WEST OF KLONDIKE
PASS. CARS
TRUCKS
LIGHT
HEAVY
CURVE
NO. OF VEH. 376 26 100
SPEED
AVE. 58.0 55.9 50.1
HIGH 78 77 63
LOW 36 45 29

FIGURE 2



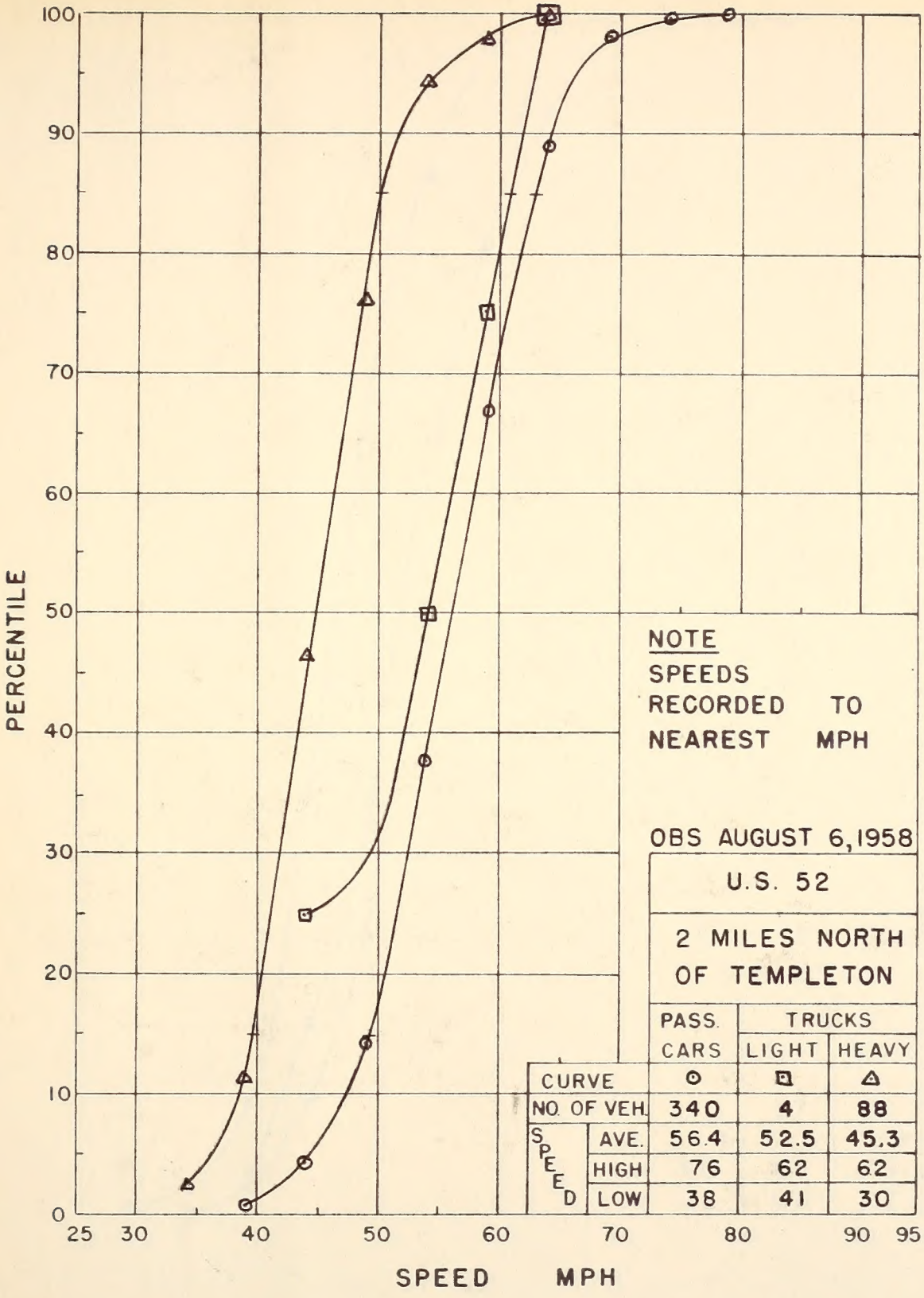
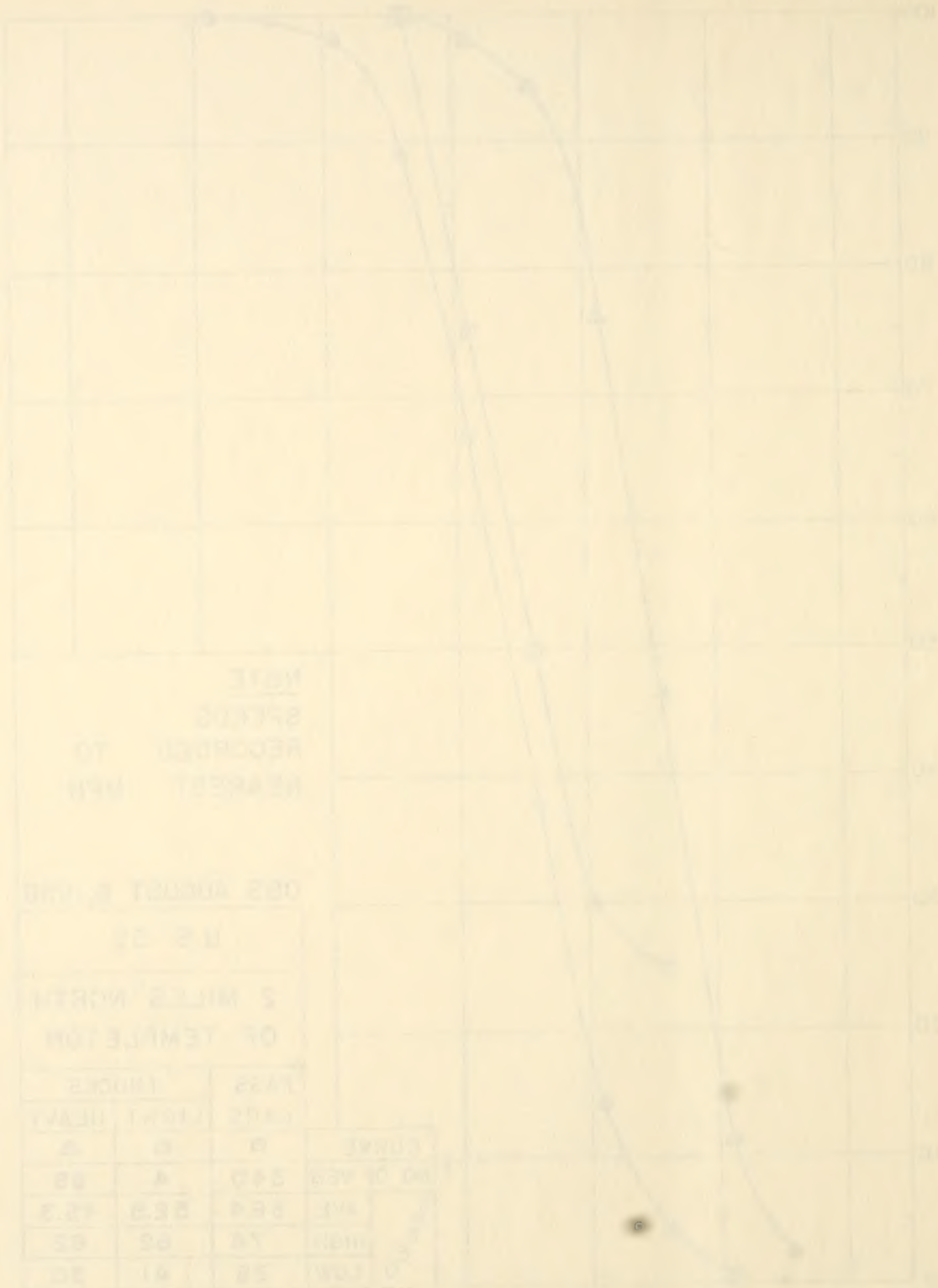

PERCENTILE
100
90
80
70
60
50
40
30
20
10
0
25
30
40
50
60
70
80
90
95
SPEED MPH
NOTE
SPEEDS RECORDED TO NEAREST MPH
OBS AUGUST 6, 1958
U.S. 52
2 MILES NORTH OF TEMPLETON
PASS. CARS
TRUCKS
LIGHT
HEAVY
CURVE
NO. OF VEH.
SPEED
AVE.
HIGH
LOW
340
4
88
56.4
52.5
45.3
76
62
62
38
41
30

FIGURE 3



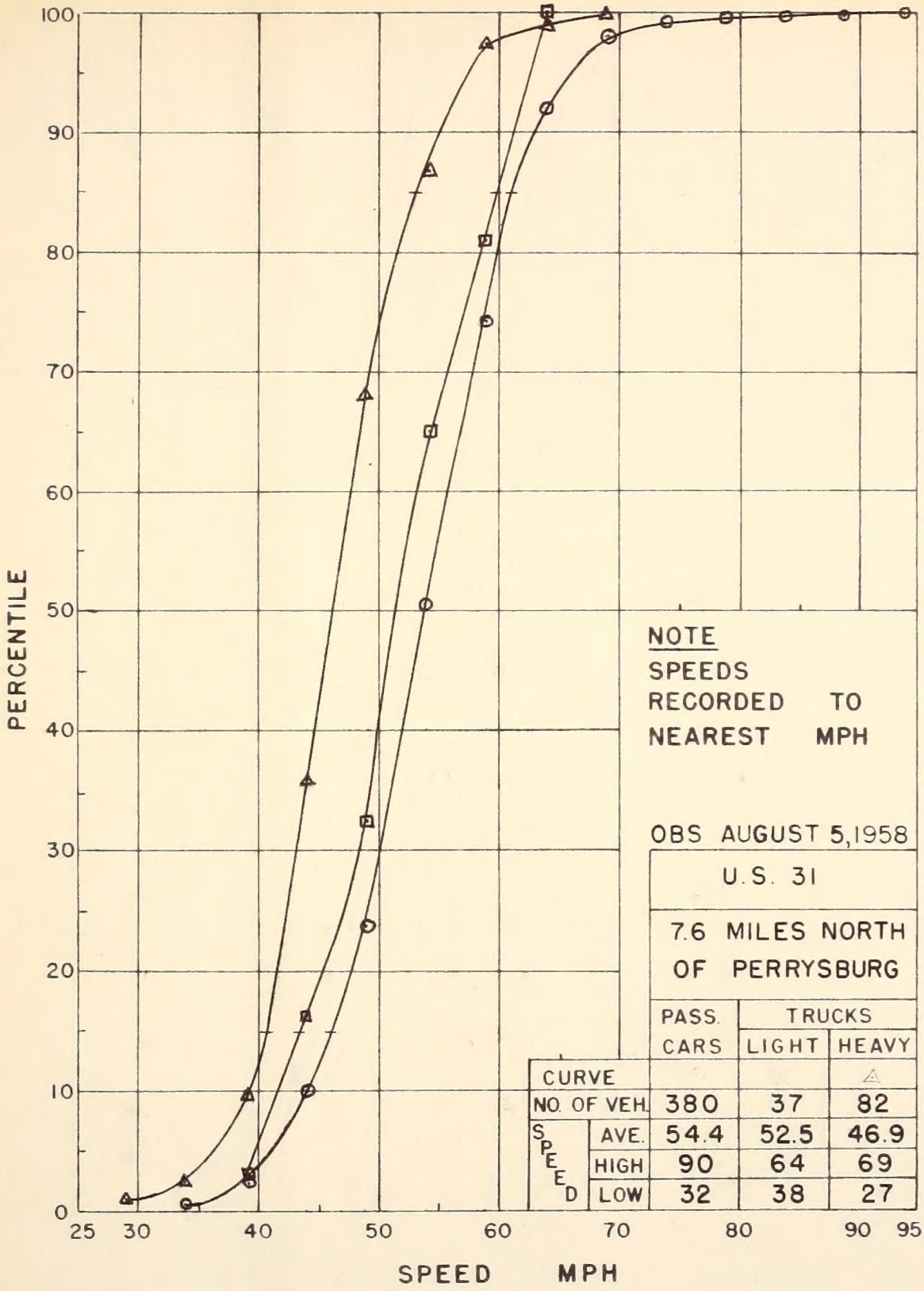
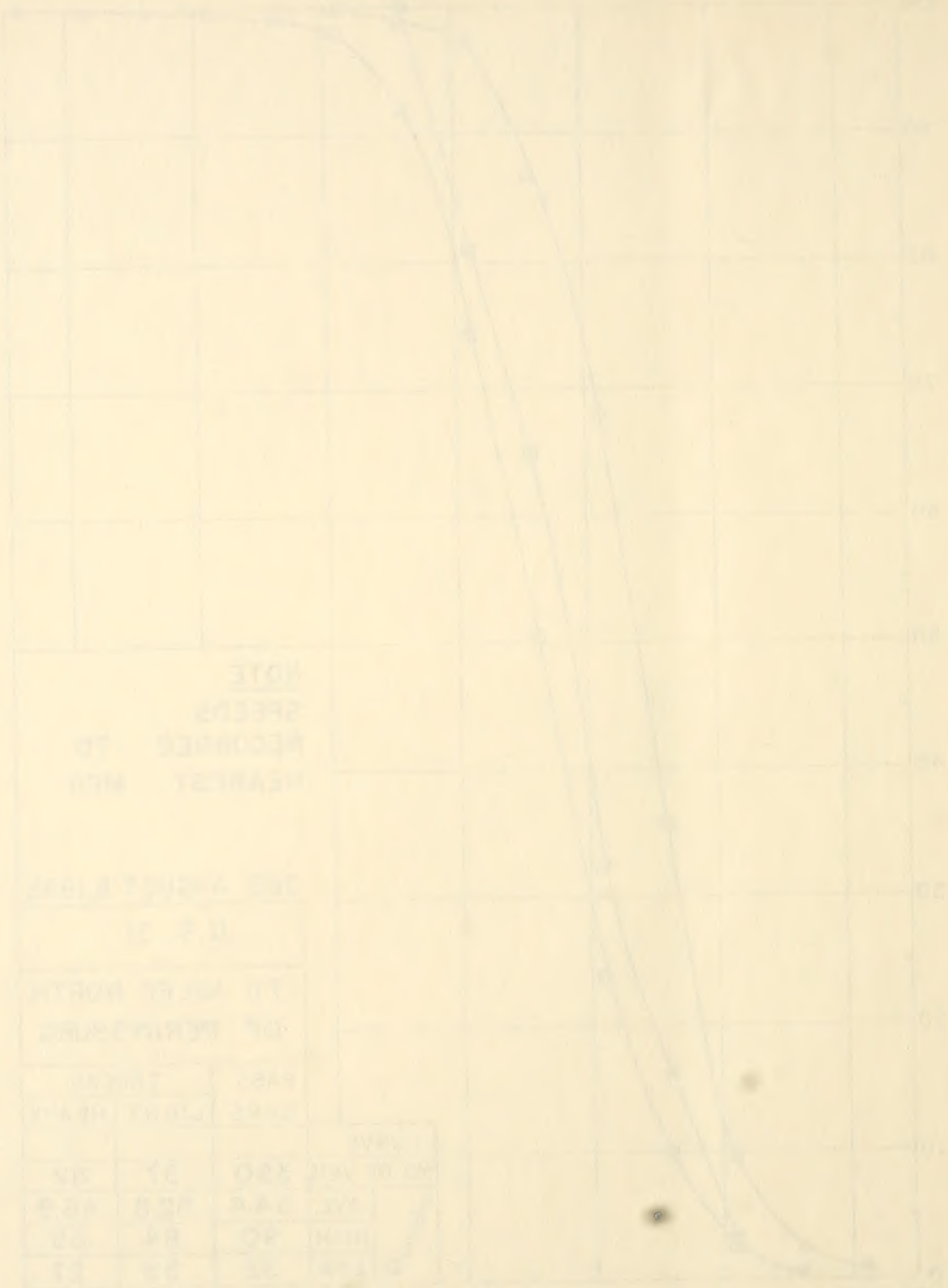

PERCENTILE
100
90
80
70
60
50
40
30
20
10
0
25
30
40
50
60
70
80
90
95
SPEED MPH
NOTE
SPEEDS RECORDED TO NEAREST MPH
OBS AUGUST 5,1958
U.S. 31
7.6 MILES NORTH OF PERRYSBURG
PASS. CARS
TRUCKS
LIGHT
HEAVY
CURVE
NO. OF VEH. 380 37 82
SPEED
AVE. 54.4 52.5 46.9
HIGH 90 64 69
LOW 32 38 27

FIGURE 4



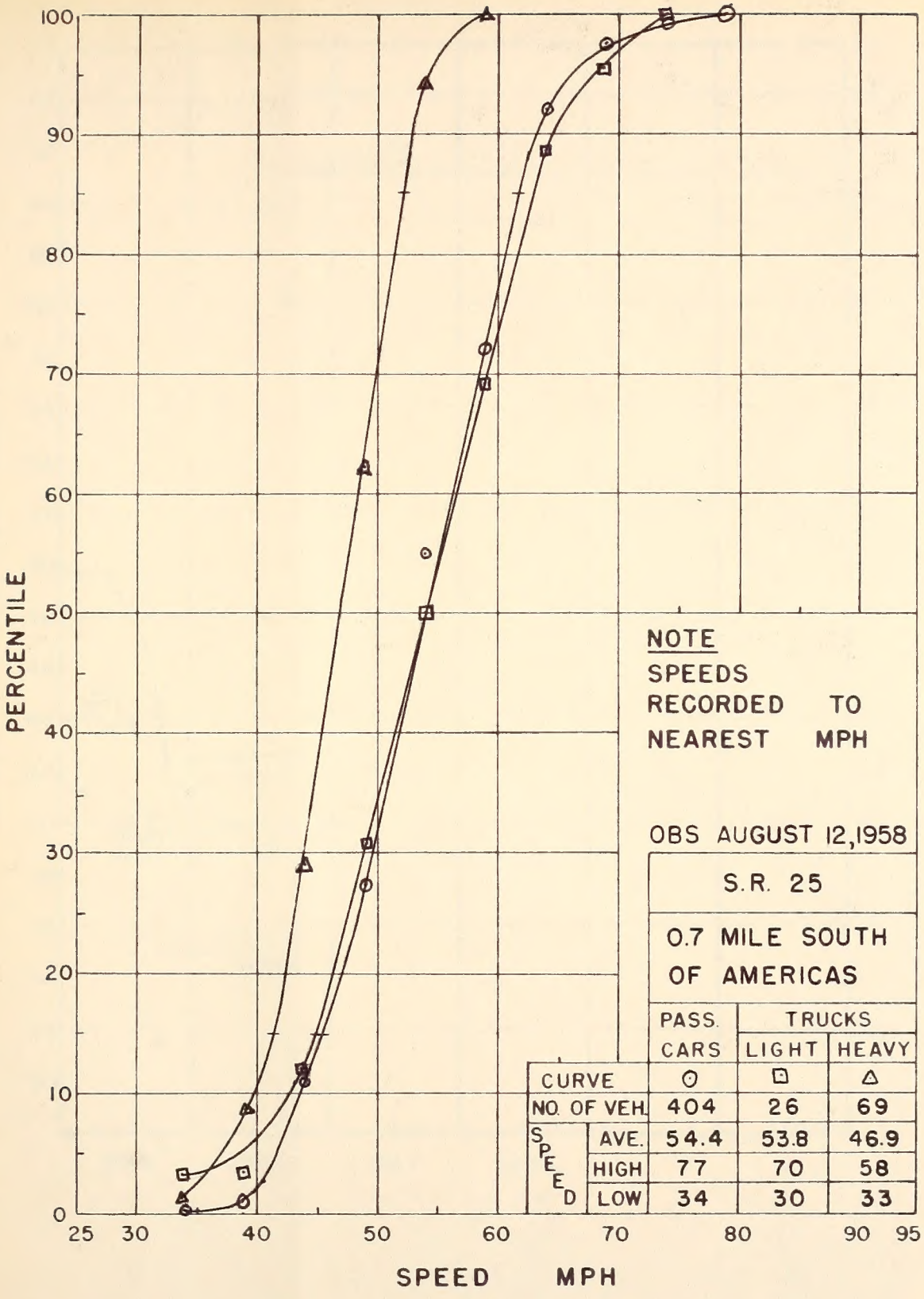
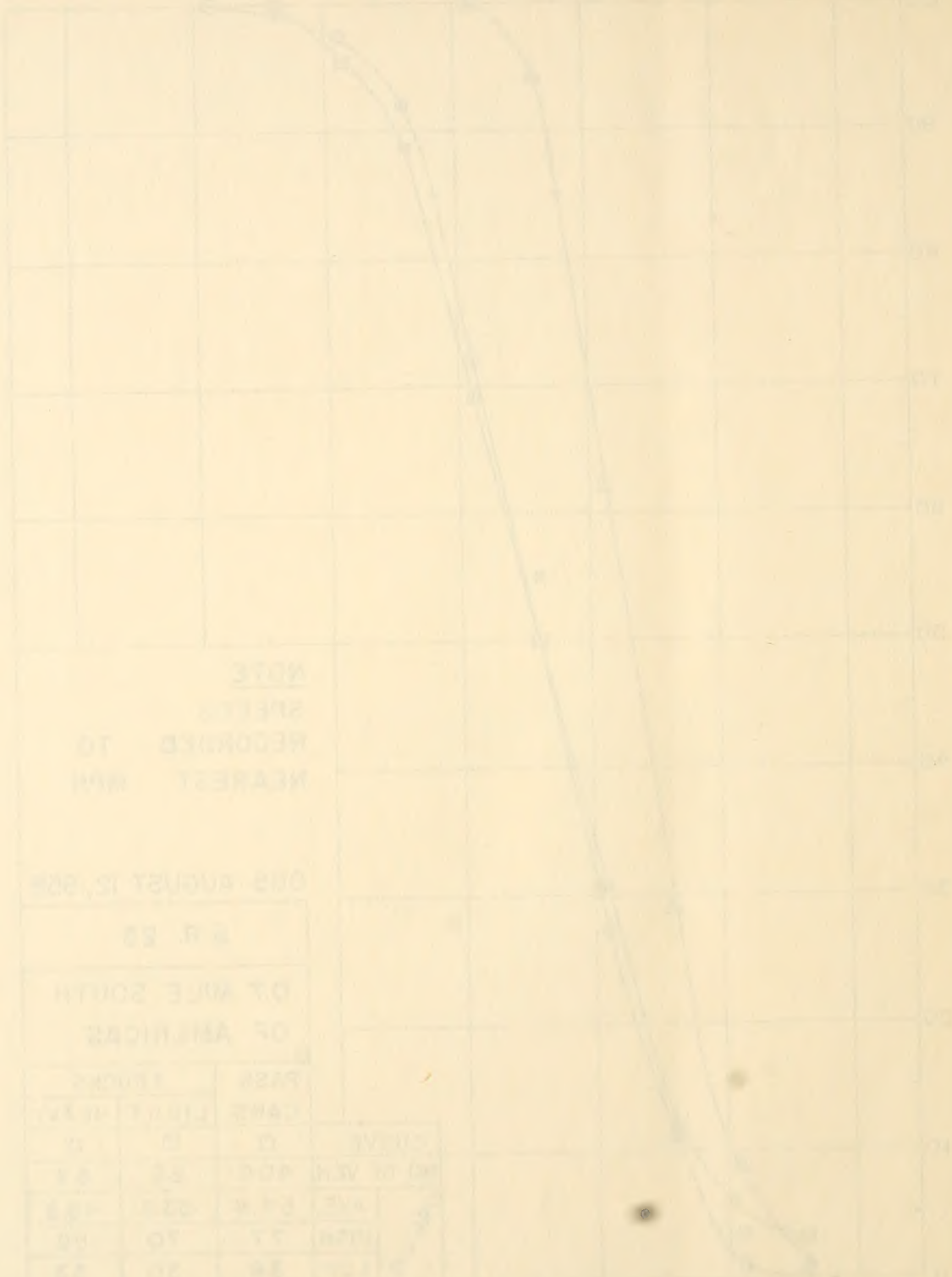

PERCENTILE
100
90
80
70
60
50
40
30
20
10
0
25
30
40
50
60
70
80
90
95
SPEED MPH
NOTE
SPEEDS RECORDED TO NEAREST MPH
OBS AUGUST 12,1958
S.R. 25
0.7 MILE SOUTH OF AMERICAS
PASS. CARS
TRUCKS
LIGHT
HEAVY
CURVE
NO. OF VEH.
SPEED
AVE.
HIGH
LOW
404
26
69
54.4
53.8
46.9
77
70
58
34
30
33

FIGURE 5



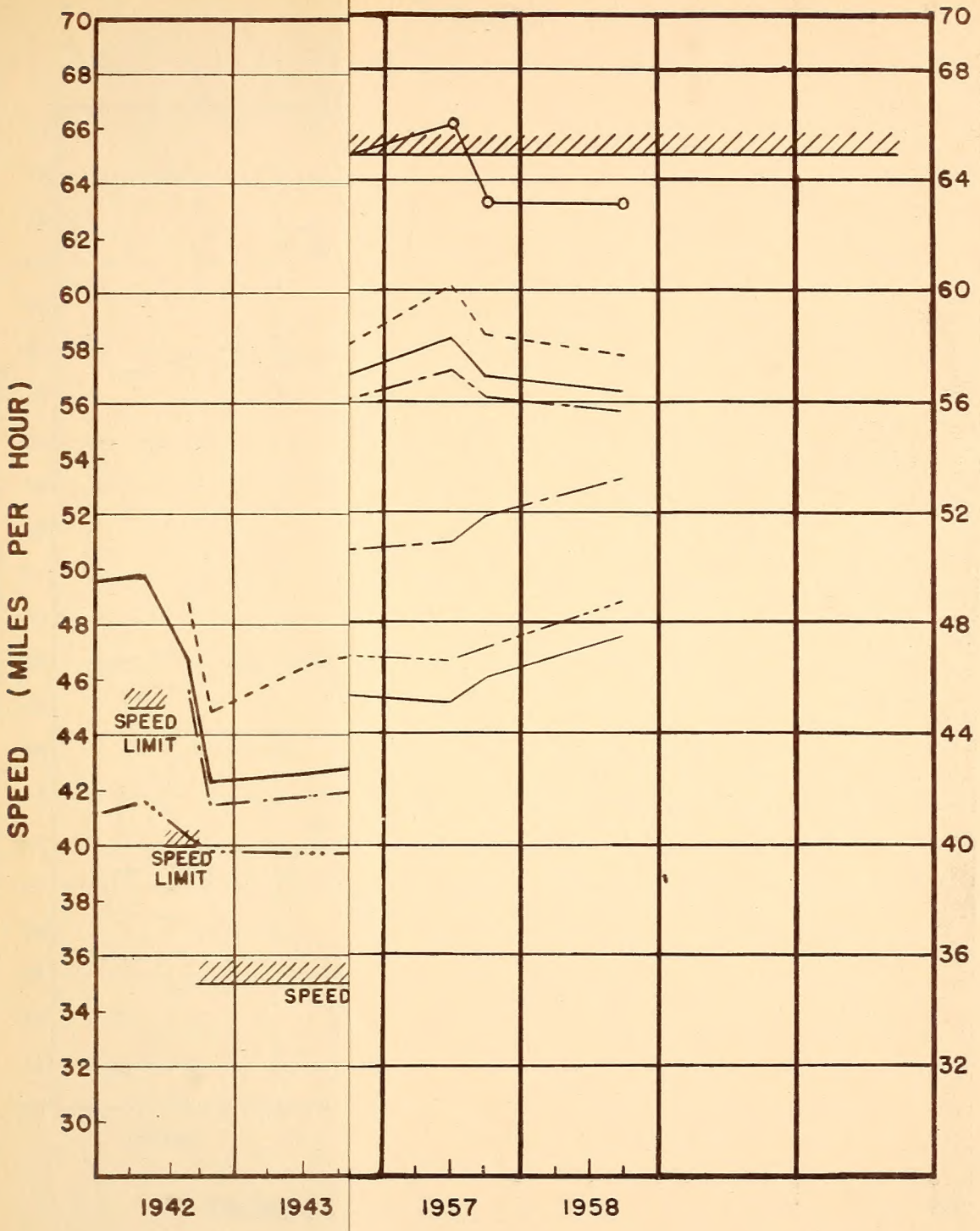
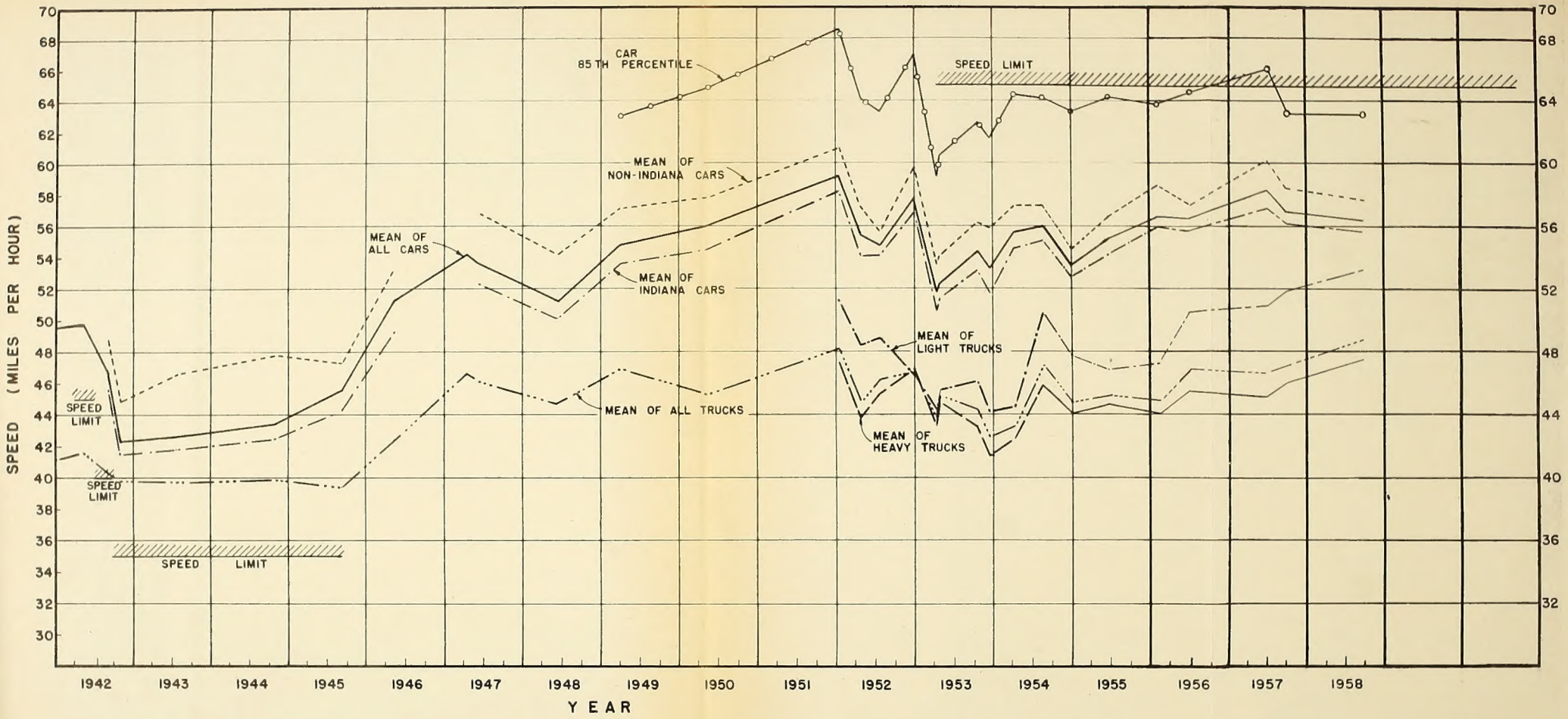
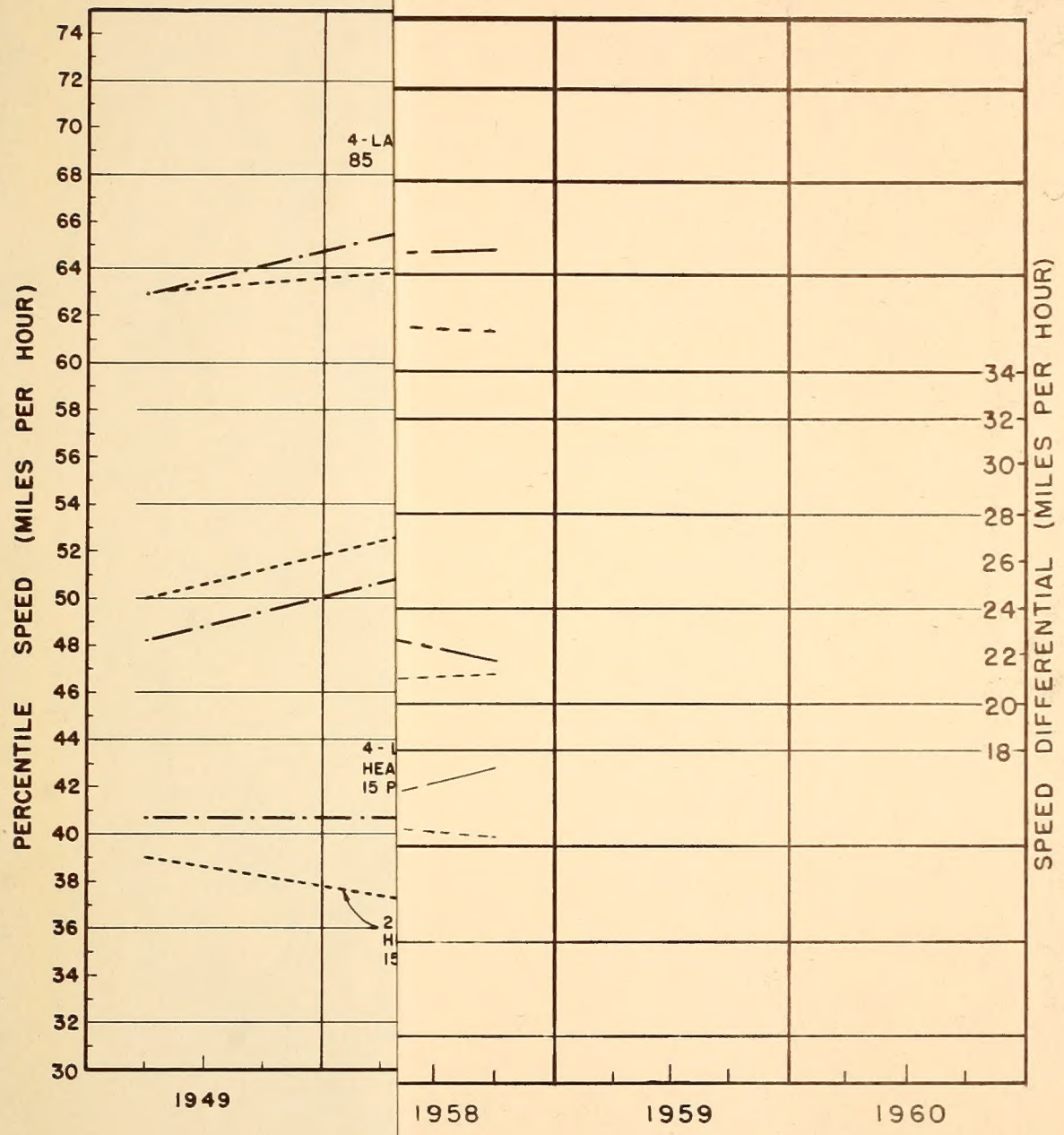

SPEED (MILES PER HOUR)
70
68
66
64
62
60
58
56
54
52
50
48
46
44
42
40
38
36
34
32
30
SPEED LIMIT
SPEED LIMIT
SPEED
1942
1943
1957
1958

FIG. 6



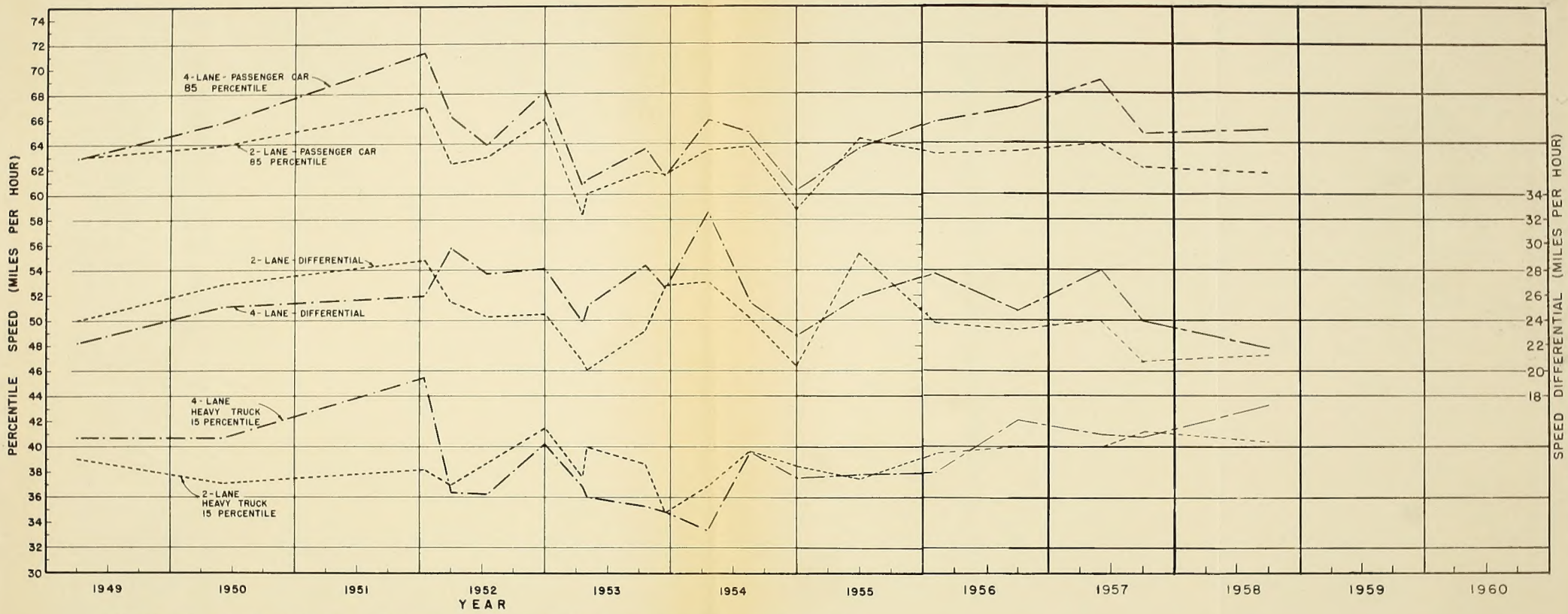
INDIANA RURAL SPEED TRENDS 1942—1960

FIG. 6


PERCENTILE SPEED (MILES PER HOUR)
74
72
70
68
66
64
62
60
58
56
54
52
50
48
46
44
42
40
38
36
34
32
30
4 - LA
85
4 - L
HEA
15 P
2
H
15
1949
1958
1959
1960
SPEED DIFFERENTIAL (MILES PER HOUR)
34
32
30
28
26
24
22
20
18

TRENDS

FIG. 7



TRENDS IN PERCENTILE SPEEDS AND SPEED DIFFERENTIAL 1949—1960

FIG. 7